

**METHOD FOR THE MULTI-ANTENNA TRANSMISSION OF A
LINEARLY-PRECODED SIGNAL, CORRESPONDING DEVICES,
SIGNAL AND RECEPTION METHOD**

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ABSTRACT OF THE DISCLOSURE

An embodiment of invention relates to a method for the transmission of a signal formed by vectors, each vector comprising N source symbols to be transmitted, using M transmission antennas, wherein M is greater than or equal to

- 10 2. The method comprises the following steps: linearly precoding the signal using a matrix product of a source matrix formed by vectors that are organized in successive lines by a linear precoding matrix, delivering a precoded matrix; and successively transmitting precoded vectors corresponding to columns of said precoded matrix, the M symbols of each precoded vector being distributed to the
- 15 M antennas.